



# EXPERIMENT - 10

## Object Oriented Programming Lab

### Aim

Write a program to find the sum of two numbers declared in a class and display the numbers and sum using friend class.

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### Aim:

Write a program to find the sum of two numbers declared in a class and display the numbers and sum using friend class.

### Source Code:

```
#include <iostream>
using namespace std;

class twoNum{
    private:
        int a, b;

    public:
        void input(){
            cout << "Enter 2 numbers: ";
            cin >> a >> b;
        }

        friend void sum(twoNum t);
};

void sum(twoNum t){
    cout << "First number is: " << t.a << endl;
    cout << "Second number is: " << t.b << endl;
    cout << "Sum of these numbers is " << t.a + t.b << endl;
}

int main(){
```

```
    twoNum t;  
    t.input();  
    sum(t);  
    return 0;  
}
```

## Output:

```
PS D:\sem 4\cpp\oops> cd "d:\sem 4\cpp\oops\" ; if ($?) { g++ friendSum.cpp -o friendSum } ; if ($?) { .\friendSum }
Enter 2 numbers: 12 8
First number is: 12
Second number is: 8
Sum of these numbers is 20
PS D:\sem 4\cpp\oops> cd "d:\sem 4\cpp\oops\" ; if ($?) { g++ friendSum.cpp -o friendSum } ; if ($?) { .\friendSum }
Enter 2 numbers: 23 16
First number is: 23
Second number is: 16
Sum of these numbers is 39
PS D:\sem 4\cpp\oops> █
```

```
PS D:\sem 4\cpp\oops> cd "d:\sem 4\cpp\oops\" ; if ($?) { g++ friendSum.cpp -o friendSum } ; if ($?) { .\friendSum }
Enter 2 numbers:
13
23
First number is: 13
Second number is: 23
Sum of these numbers is 36
PS D:\sem 4\cpp\oops> █
```